

## ABSTRACT

Systems, methods, and devices related to data converters are provided. In one particular embodiment, a network system data converter is provided. The network system data converter can include a first port that connects to a first cable for receiving data transmitted in a first signal transmission type, circuitry arranged and configured to convert the data from the first signal transmission type to a second signal transmission type and to transmit the converted data and power within the network system and, a second port that connects to a second cable for transmitting the data in the second signal transmission type and the power to a data device in the networks system. In one particular embodiment, the first signal transmission type can be differential data transmission and the second signal transmission type can be coaxial data transmission.